

Form PTO-1449		U.S. Department of Commerce Patent and Trademark Office		Atty. Docket No. 62166/JPW/MVM	Serial No. 09/654,462
O I P E INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)				Applicants Thomas M. Jessell et al.	
FEB 27 2002				Filing Date September 1, 2000	Group 1632

U.S. PATENT DOCUMENTS

Examiner Initial	TRADE NAME	SEARCHED	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate

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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Subclass	TECH CENTER 1600-2000	
							Yes	No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

Am2	Briscoe et al. (2000) "A Homeodomain Protein Code Specifies Progenitor Cell Identity And Neuronal Fate In The Ventral Neural Tube" <u>Cell</u> 101:435-445;
↓	Mirmira et al. (2000) "Beta-Cell Differentiation Factor Nkx6.1 Contains Distinct DNA Binding Interference And Transcriptional Repression Domains" <u>J. Biol. Chem.</u> 275(19):14743-14751 (Exhibit 1);
↓	Oster et al. (1998) "Homeobox Gene Product Nkx 6.1 Immunoreactivity In Nuclei Of Endocrine Cells Of Rat And Mouse Stomach" <u>J. Histochem. And Cytochem.</u> 46(6):717-721 (Exhibit 2); and
Am2	Schwtzgebel et al. (2000) "Expression Of Neurogenin3 Reveals An Islet Cell Precursor Population In The Pancreas" <u>Genes & Development</u> 14(17):2134-2139 (Exhibit 3).

EXAMINER	DATE CONSIDERED
Anne-Marie Falk	11/25/02

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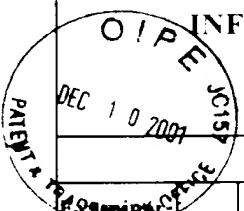
Applicants: Thomas M. Jessell et al.
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Exhibit A

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Am		Anderson, S.A. et al., (1997) "Interneuron Migration from Basal Forebrain to Neocortex: Dependence on DLx Genes" <i>Science</i> 278:474-476 (Exhibit 1):					
↓		Arber, S. et al., (1999) "Requirement for the Homeobox Gene Hb9 in the Consolidation of Motor Neuron Identity" <i>Neuron</i> 23:659-674 (Exhibit 2):					
Am		Briscoe, J. et al., (1999) "Homeobox gene Nkx2.2 and specification of neuronal identity by graded Sonic hedgehog signalling" <i>Nature</i> 398:622-627 (Exhibit 3):					
EXAMINER <i>Anne-Marie Zalk</i> DATE CONSIDERED <i>11/25/02</i>							

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Exhibit A

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Amo	Burrill, J.D. et al., (1997) "PAX2 is expressed in multiple spinal cord interneurons, including a population on EN1 interneurons that require PAX6 for their development" <i>Development</i> 124:4493-4503 (Exhibit 5):						
	Chu, H. et al., (1998) "Formation and specification of ventral neuroblasts is controlled by vnd in Drosophila neurogenesis" <i>Genes & Dev.</i> 12:3613-3624 (Exhibit 6):						
↓	Ericson, J. et al., (1997) "Graded Sonic Hedgehog Signaling and the Specification of Cell Fate in the Ventral Neutral Tube" <i>Cold Spring Harb. Symp. Quant. Biol.</i> 62:451-466 (Exhibit 7):						
Amo	Ericson, J. et al., (1996) "Two Critical Periods of Sonic Hedgehog Signaling Required for the Specification of Motor Neuron Identity" <i>Cell</i> 87:661-673 (Exhibit 8):						
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<i>Amo</i>		Ericson, J. et al., (1997) "Pax6 Controls Progenitor Cell Identity and Neuronal Fate in Response to Graded Shh Signaling" <u>Cell</u> 90 :169-180 (Exhibit 9):							
<i>↓</i>		Goulding, M.D. et al., (1991) "Pax-3, a novel murine DNA binding protein expressed during early neurogenesis" <u>EMBO J.</u> 10 :1135-47 (Exhibit 10):							
<i>Amo</i>		Hammerschmidt, M. et al., (1997) "The world according to hedgehog" <u>Trends Genet.</u> 13 :14-21 (Exhibit 11):							
<i>Amo</i>		Hebrok, M. et al., (1998) "Notochord repression of endodermal Sonic hedgehog permits pancreas development" <u>Genes & Dev.</u> 12 : 1705-1713 (Exhibit 12):							
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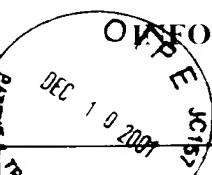
Am 2	<p>Inoue, H. et al., (1997) "Isolation, characterization, and chromosomal mapping of the human Nkx6.1 gene (NKX6A), a new pancreatic islet homeobox gene" <i>Genomics</i> 40:367-370][(Exhibit 13):</p>
	<p>Lumsden, A. et al., (1996) "Patterning the Vertebrate Neuraxis" <i>R. Science</i> 274: 1109-1114 (Exhibit 14):</p>
↓	<p>Matise, M.P. et al., (1997) "Expression Patterns of Development Control Genes in Normal and Engrailed-1 Mutant Mouse Spinal Cord Reveal Early Diversity in Developing Interneurons" <i>J. Neurosci.</i> 17:7805-7816 (Exhibit 15):</p>
Am 2	<p>McDonald, J. A. et al., (1998) "Dorsoventral patterning in the Drosophila central nervous system: the vnd homeobox gene specifies ventral column identity" <i>Genes & Dev.</i> 12:3603-3612 (Exhibit 16):</p>

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Am 2		Pabst, O. et al., (1998) "Nkx2-9 is a novel homeobox transcription factor which demarcates ventral domains in the developing mouse CNS" <i>Mech. Dev.</i> 73 : 85-93 (Exhibit 17):					
↓		Pattyn, A. et al., (1997) "Expression and interactions of the two closely related homeobox genes Phox2a and Phox2b during neurogenesis" <i>Development</i> 124 :4065-4075 (Exhibit 18):					
Am 2		Pierani, A. et al., (1999) "A Sonic Hedgehog-Independent, Retinoid-Activated Pathway of Neurogenesis in the Ventral Spinal Cord" <i>Cell</i> 97 :903-915 (Exhibit 19):					
Am 2		Qiu, M. et al., (1998) "Control of anteroposterior and dorsoventral domains of Nkx-6.1 gene expression relative to other Nkx genes during vertebrate CNS development" <i>Mech. Dev.</i> 72 :77-88 (Exhibit 20):					
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Am2	Rubenstein, J.L. et al., (1998) "Patterning of the embryonic forebrain" <i>Curr. Opin. Neurobiol.</i> 8:18-26 (Exhibit 21):						
Am2	Rubenstein, J.L. et al., (1998) "Regionalization of the Prosencephalic Neural Plate" <i>Annu. Rev. Neurosci.</i> 21:445-477 (Exhibit 22):						
Am2	Sussel, L. et al., (1999) "Loss of Nkx2.1 homeobox gene function results in a ventral to dorsal molecular respecification within the basal telencephalon: evidence for a transformation of the pallidum into the striatum" <i>Development</i> 126:3359-3370 (Exhibit 23):						
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Am2	Tanabe, Y. et al., (1996) "Diversity and Pattern in the Developing Spinal Cord" <i>Science</i> 274:1115-23 (Exhibit 24):					
↓	Thaler, J. et al., (1999) "Active Suppression of Interneuron Programs within Developing Motor Neurons Revealed by Analysis of Homeodomain Factor HB9" <i>Neuron</i> 23:675-687 (Exhibit 25):					
↓	Tsuchida, T. et al., (1994) "Topographic Organization of Embryonic Motor Neurons Defined by Expression of LIM Homeobox Genes" <i>Cell</i> 79:957-970 (Exhibit 26):					
Am2	Valerius, M. T. et al., (1995) "Gsh-1: A Novel Murine Homeobox Gene Expressed in the Central Nervous System" <i>Dev. Dyn.</i> 203:337-51 (Exhibit 27) and:					
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